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Vaša značka

Naša značka

Váš list

V Bratislave dňa September 27, 1965.

Vec:

Dear Prof. Lederberg:

Thank you for your very interesting letter of June 18. It arrived during my holiday and later I did not feel quite well so that I could not reply immediately. I can say that your results are in many points in close relation with ours.

From your letter I see that we did not understand the exact meaning of the formulation of your problem. We tried to find a trivalent convex polyhedron containing exactly one  $\beta$ -edge /i.e., in our terminology, an edge included in no Hamilton line; your "obligatory edges" we call  $\alpha$ -edges; the other edges are called  $\gamma$ -edges/. Now we see that you had requested to construct a trivalent convex polyhedron containing at least one  $\beta$ -edge. Nevertheless, this problem was also very interesting.

Your conjecture concerning symmetries of trivalent polyhedra is probably true but I do not know if a proof of it has been published.

Professor Kotzig and I now are writing an article concerning Hamilton lines and trivalent graphs for publication in Matematicko-fyzikálny časopis. We intend to send you and Professor Klee copies of the manuscript as soon as it is finished. These results will probably overlap with yours and Professor Klee's, but, of course, in such cases we shall point out to this fact - if we know about it.

I am looking forward to your memorandum and any other materials and notes concerning these questions. I wrote also to dr. Grace /unfortunally, I have not his paper concerning convex polyhedra/, but I have not yet had his reply.

Yours sincerely

*Juraj Bosák*

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J. Bosák